



PAS 5308 PART 1 TYPE 1 O SCREEN LSZH 1KV

Cable	Instrument Cable
Standard	PAS 5308
Voltage	1KV
Description	Copper, Single & Multi Pair, XLPE- Insulation, Collective, LSZH Sheath
Cable type	PAS 5308 Part 1 Type 1 LSZH 1KV

Electrical data a 20°C

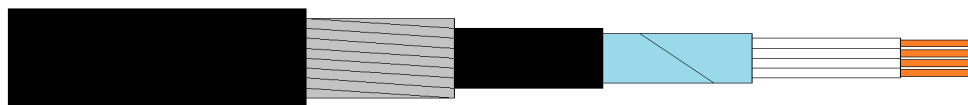
Conductor size	Nom	mm ²	1,5	2,5
Conductor resistance stranded / class 2	Max	Ω/km	12,1	7,41
and additional 2% of the maximum resistance has been allowed for cable of multipair construction				
Insulation resistance Individual conductor	Min.	MΩxkm	5000	
Mutual capacitance 1kHz one pair, two pair and screen individually	Max.	nF/km	120	140
All other cables			85	105
L/R Ratio	Max.	μH/Ω	40	60
Test voltage		V		
Ums core: core			3500	
Ums core: screen			3500	

Properties for cable

Code Colour	PAS 5308 Part 1 Appendix A
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-22
Low Smoke Emission	IEC 61034-1-2 > 60%
Other Properties	
Minimum Bending Radius	6 X O.D.

Properties for outer sheath

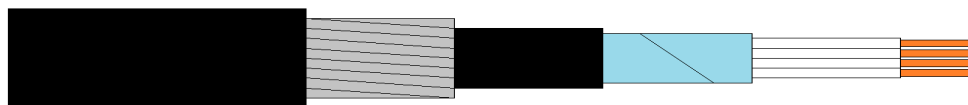
Limiting Oxygen Index	LOI > 30%
Amount of halogen acid gas	IEC 60754-1 HCl<0.1%
Oil Resistance	ANSI/ICEA S-73-532 (4h, 70°C)
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-15°C/50°C
Temperature Operating	-40°C/50°C



Nº Pairs	Cores	RT Insulation	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

1	1.5mm ² /7	0,7	-	-	-	0,8	7,80	98	P08P1T1I-1P1.5-281
1 (triple)	1.5mm ² /7	0,7	-	-	-	0,9	8,44	119	P08P1T1I-1T1.5-281
2 (quad)	1.5mm ² /7	0,7	-	-	-	0,9	9,21	144	P08P1T1I-1Q1.5-281
3	1.5mm ² /7	0,7	-	-	-	1,0	13,17	197	P08P1T1I-3P1.5-281
4	1.5mm ² /7	0,7	-	-	-	1,1	14,70	253	P08P1T1I-4P1.5-281
5	1.5mm ² /7	0,7	-	-	-	1,2	16,37	297	P08P1T1I-5P1.5-281
10	1.5mm ² /7	0,7	-	-	-	1,3	21,88	534	P08P1T1I-10P1.5-281
12	1.5mm ² /7	0,7	-	-	-	1,4	23,11	630	P08P1T1I-12P1.5-281
15	1.5mm ² /7	0,7	-	-	-	1,5	25,67	775	P08P1T1I-15P1.5-281
20	1.5mm ² /7	0,7	-	-	-	1,5	29,12	994	P08P1T1I-20P1.5-281
24	1.5mm ² /7	0,7	-	-	-	1,6	31,97	1185	P08P1T1I-24P1.5-281
30	1.5mm ² /7	0,7	-	-	-	1,7	35,51	1461	P08P1T1I-30P1.5-281
50	1.5mm ² /7	0,7	-	-	-	2,0	45,28	2378	P08P1T1I-50P1.5-281

1	2.5mm ² /7	0,7	-	-	-	0,8	8,70	130	P08P1T1I-1P2.5-281
1 (triple)	2.5mm ² /7	0,7	-	-	-	0,9	9,41	160	P08P1T1I-1T2.5-281
2 (quad)	2.5mm ² /7	0,7	-	-	-	0,9	10,29	197	P08P1T1I-1Q2.5-281
3	2.5mm ² /7	0,7	-	-	-	1,0	14,81	268	P08P1T1I-3P2.5-281
4	2.5mm ² /7	0,7	-	-	-	1,1	16,54	346	P08P1T1I-4P2.5-281
5	2.5mm ² /7	0,7	-	-	-	1,2	18,44	411	P08P1T1I-5P2.5-281
10	2.5mm ² /7	0,7	-	-	-	1,4	24,96	769	P08P1T1I-10P2.5-281
12	2.5mm ² /7	0,7	-	-	-	1,5	26,35	909	P08P1T1I-12P2.5-281
15	2.5mm ² /7	0,7	-	-	-	1,6	29,27	1121	P08P1T1I-15P2.5-281
20	2.5mm ² /7	0,7	-	-	-	1,7	33,45	1464	P08P1T1I-20P2.5-281
24	2.5mm ² /7	0,7	-	-	-	1,8	36,67	1744	P08P1T1I-24P2.5-281
30	2.5mm ² /7	0,7	-	-	-	1,9	40,71	2152	P08P1T1I-30P2.5-281
50	2.5mm ² /7	0,7	-	-	-	2,3	52,09	3533	P08P1T1I-50P2.5-281



Appendix A

1 Triad Cable	1	Black	Blue	Green
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1 Quad Cable	1	Black	Blue	Green	Brown
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1 Pair Cables to 50 Pair Cables	1	Black	Blue	26	White	Yellow
	2	Black	Green	27	Red	Yellow
	3	Blue	Green	28	Orange	Yellow
	4	Black	Brown	29	Black	Grey
	5	Blue	Brown	30	Blue	Grey
	6	Green	Brown	31	Green	Grey
	7	Black	White	32	Brown	Grey
	8	Blue	White	33	White	Grey
	9	Green	White	34	Red	Grey
	10	Brown	White	35	Orange	Grey
	11	Black	Red	36	Yellow	Grey
	12	Blue	Red	37	Black	Violet
	13	Green	Red	38	Blue	Violet
	14	Brown	Red	39	Green	Violet
	15	White	Red	40	Brown	Violet
	16	Black	Orange	41	White	Violet
	17	Blue	Orange	42	Red	Violet
	18	Green	Orange	43	Orange	Violet
	19	Brown	Orange	44	Yellow	Violet
	20	White	Orange	45	Grey	Violet
	21	Red	Orange	46	Black	Turquoise
	22	Black	Yellow	47	Blue	Turquoise
	23	Blue	Yellow	48	Green	Turquoise
	24	Green	Yellow	49	Brown	Turquoise
	25	Brown	Yellow	50	White	Turquoise